

M 5.8, 9 km SSW of Tungao, Philippines

Origin Time: 2024-02-10 03:22:03 UTC (Sat 11:22:03 local)
Location: 8.6991° N 125.5444° E Depth: 10.0 km

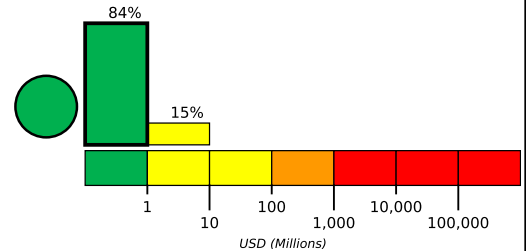
PAGER Version 3

Created: 2 hours, 4 minutes after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

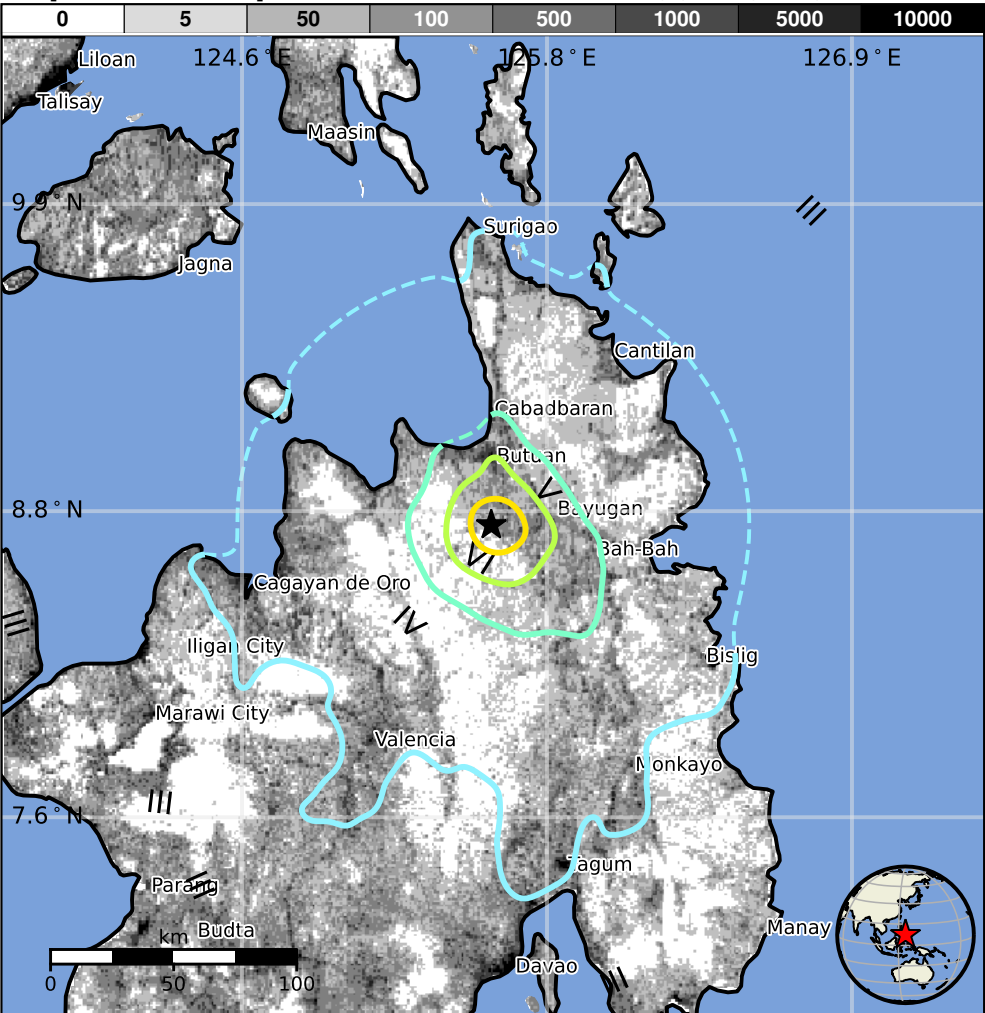


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | 14,233k* | 6,511k | 625k | 407k | 91k | 0 | 0 | 0 |
|---|-----------------------|----------|----------|--------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1987-05-23 | 75 | 5.7 | VII(70k) | 1 |
| 1990-02-08 | 155 | 6.7 | VIII(96k) | 1 |
| 2002-03-05 | 332 | 7.5 | VIII(12k) | 15 |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

| MMI | City | Population |
|-----|----------------|------------|
| VII | Esperanza | 6k |
| VII | Tungao | 9k |
| VI | Salvacion | 5k |
| VI | Maygatasan | 4k |
| VI | Guadalupe | 3k |
| VI | Butuan | 310k |
| IV | Cagayan de Oro | 445k |
| III | Budta | 1,274k |
| III | Davao | 1,213k |
| III | Cotabato | 179k |
| III | Cebu City | 799k |

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
<https://earthquake.usgs.gov/earthquakes/eventpage/us7000ly6w#pager>

bold cities appear on map. (k = x1000)

Event ID: us7000ly6w